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BRAUATH BANGALORE MAHANAGARA PALIKE (BBMP)

PROJECT:PROPOSED CONSTRUCTION OF RAJARAJESHWARI SCHOOL (KALPANA ROAD) BUILDING IN WARD NO.17 J.P.PARK, BANGALORE

Area Statement		
Ground Floor	1,165.00	Sq mt
First Floor	1,145.00	Sq mt
Second Floor	1,145.00	Sq mt
Third Floor	1,145.00	Sq mt
Terrace Floor	70.00	Sq mt
Total	4,670.00	Sq mt

Estimated Project Cost: 990.00 Lakh

DETAILED ESTIMATION FOR THE PROPOSED CONSTRUCTION OF SCHOOL BUILDING AT KALAPANA ROAD J. P. PARK, WARD NO 17, AS PER KPWD SR 2018-2019 - BANGALORE CIRCLE FOR CIVIL WORKS , KPWD -SR 2019 -2020 BANGALORE CIRCLE FOR ELECTRICAL WORKS (WITH ISSUE RATE AS ON 01-02-2021)

RAJARAJESWARI SCHOOL BUILDING AT KALPANA ROAD

Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	EARTH WORK								
1	KSRRB M200-11.1. Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removalof stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thickness complete as per specifications. II. By Mechanical Means: A. In area of light jungle.								
	(P.No.139, I.No.18.15 of PW,P & IWTD S.R 2018-19)								
	For surface cleaning	Ha	1				1.00		
						Say	1.00	20,008.08	20,008.08
2	Earth work for lowering and levelling the ground other than foundation works by mechanical means upto 3.00 depth, including providing shoring strutting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavated earth to the extent required & utilising/transporting the remaining earth upto 1.00 km lead. Including the cost of labour & HOM as per drawing and technical specification								
	(P.No.8, I.No.2.24 of PW,P & IWTD S.R 2018-19)	Cum							
	For surface excavation Debrs removal (Average depth1.0 MT)		1	76.00	38.000	1.000	2888.00		
						Say	2888.00	65.88	1,90,261.44
3	Earth work excavation for foundation of structures upto 3 mtrs.by **mechanical means** as per drawing and technical specification, including setting out, providing shoring, strutting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavated earth to the extent required and utilising / transporting the remaining earth upto 1.00km lead. including cost of labour, materials and HOM etc., complete. - do - In all types of soils								
	(P.No.8, I.No.2.23.1of PW,P & IWTD S.R 2018-19)	M3							
	For Footigs								
	F1		2	2.55	2.550	2.500	32.51		
	F2		23	3.65	4.050	2.500	849.99		
	F3		4	3.85	4.050	2.500	155.93		
	F4		16	4.05	3.850	2.500	623.70		
	F5		4	4.35	4.150	2.500	180.53		
	F5A		1	3.95	4.350	2.500	42.96		
	F6		2	4.45	4.450	2.500	99.01		
	F7		2	5.25	4.450	2.500	116.81		
	F8		1	4.45	3.950	2.500	43.94		
	F9		1	4.65	3.550	2.500	41.27		
	CF1		2	6.45	3.850	2.500	124.16		
	CF2		4	4.25	3.250	2.500	138.13		

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	CF3		1	18.71	1.750	2.500	81.86		
	CF4		1	18.91	1.750	2.500	82.73		
	CF5 lift		1	7.15	5.761	2.500	102.98		
	CF6		1	8.35	4.050	2.500	84.54		
	Compound gate piller	66	4	1.95	1.950	2.500	38.03		
	Staircase footing		2	8.60	1.500	1.500	38.70		
							2877.77		
						Say	2877.80		
	Considered 70% of Total Qty						**2014.46**	**56.16**	**1,13,132.07**
4	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. 2.3 KSRB 2-2.1: – do – in ordinary soil. No. KBS 2.1(a) / 2.3.5								
	KSRB 2.14-1: Extra for additional lift of 1.5m. or part thereof for excavation In soil / rock including cost of materials, labour complete as per specifications								
	(P.No.5, & 8 I.No.2.3 & 2.21 of PW,P & IWTD S.R 2018-19)	**M3**							
	Considered 30% of Total Qty wide item no 4						863.34		
	(2877.80 * .30)					Say	**863.40**	**290.52**	**2,50,834.97**
5	KSRB 2.13 : Providing sand and cement piles with all leads and lift of 1.5 m. for stabilising foundation after duly making 5 cms. dia holes to a depth of 1.2 to 1.5 m. at 0.5 m c/c and filling with sand and 10% cement and tamping wherever required including cost of materials, labour complete as								
	(P.No.8, I.No.2.20 of PW,P & IWTD S.R 2018-19)	**Sqm**							
	F1		2	2.55	2.55		13.01		
	F2		23	3.65	4.05		340.00		
	F3		4	3.85	4.05		62.37		
	F4		16	4.05	3.85		249.48		
	F5		4	4.35	4.15		72.21		
	F5A		1	3.95	4.35		17.18		
	F6		2	4.45	4.45		39.61		
	F7		2	5.25	4.45		46.73		
	F8		1	4.45	3.95		17.58		
	F9		1	4.65	3.55		16.51		
	CF1		2	6.45	3.85		49.67		
	CF2		4	4.25	3.25		55.25		
	CF3		1	18.71	1.75		32.74		
	CF4		1	18.91	1.75		33.09		
	CF5 lift		1	7.15	5.76		41.19		
	CF6		1	8.35	4.05		33.82		
	Compound gate piller		4	1.95	1.95		15.21		
	Staircase footing		2	8.60	1.50		25.80		
							1161.43		
						Say	**1161.50**	**388.80**	**4,51,591.20**
6	KSRB 3.2: Providing and injecting chemical emulsion for Pre-constructional **Anti-Termite Treatment**, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor,along the external perimeter of building,expansion joints,over the top surface of consolidated earth on which apron is to be laid,surrounding of pipes and conduits with chloropyriphos emulsifiable concentrates of 20% concentration,including cost of chemical,diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications.(Plinth area of the building at ground floor only shall be measured) Specification No.KBS: 3.2.6 / 3.2.7								
	(P.No.10, I.No.3.2 of PW,P & IWTD S.R 2018-19)	**Sqm**							

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	Plinth area		2	46.60	9.600	-	894.72		
			1	11.50	10.230	-	117.65		
			1	11.15	10.230	-	114.06		
							1126.43		
						Say	**1126.50**	**114.48**	**1,28,961.72**
7	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.								
	(P.No.7, I.No.2.15 of PW,P & IWTD S.R 2018-19)								
	Below Foundation								
	F1		2	2.55	2.55	0.200	2.60		
	F2		23	3.65	4.05	0.200	68.00		
	F3		4	3.85	4.05	0.200	12.47		
	F4		16	4.05	3.85	0.200	49.90		
	F5		4	4.35	4.15	0.200	14.44		
	F5A		1	3.95	4.35	0.200	3.44		
	F6		2	4.45	4.45	0.200	7.92		
	F7		2	5.25	4.45	0.200	9.35		
	F8		1	4.45	3.95	0.200	3.52		
	F9		1	4.65	3.55	0.200	3.30		
	CF1		2	6.45	3.85	0.200	9.93		
	CF2		4	4.25	3.25	0.200	11.05		
	CF3		1	18.71	1.75	0.200	6.55		
	CF4		1	18.91	1.75	0.200	6.62		
	CF5 lift		1	7.15	5.76	0.200	8.24		
	CF6		1	8.35	4.05	0.200	6.76		
	Compound gate piller		4	1.95	1.95	0.200	3.04		
	Staircase footing		2	8.60	1.50	0.200	5.16		
		52					**232.29**		
						Say	**232.30**	**2,623.32**	**6,09,397.24**
8	KSRB 2.6 : Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications.								
	(P.No.7, I.No.2.13 of PW,P & IWTD S.R 2018-19)								
	Below Foundation								
	F1		2	2.55	2.55	0.050	0.65		
	F2		23	3.65	4.05	0.050	17.00		
	F3		4	3.85	4.05	0.050	3.12		
	F4		16	4.05	3.85	0.050	12.47		
	F5		4	4.35	4.15	0.050	3.61		
	F5A		1	3.95	4.35	0.050	0.86		
	F6		2	4.45	4.45	0.050	1.98		
	F7		2	5.25	4.45	0.050	2.34		
	F8		1	4.45	3.95	0.050	0.88		
	F9		1	4.65	3.55	0.050	0.83		
	CF1		2	6.45	3.85	0.050	2.48		
	CF2		4	4.25	3.25	0.050	2.76		
	CF3		1	18.71	1.75	0.050	1.64		
	CF4		1	18.91	1.75	0.050	1.65		
	CF5 lift		1	7.15	5.76	0.050	2.06		
	CF6		1	8.35	4.05	0.050	1.69		
		52					**56.02**		
						Say	**56.10**	**2,224.80**	**1,24,811.28**
9	Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications specification								

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	(P.No.7, I.No.2.12 of PW,P & IWTD S.R 2018-19)	Cum							
	Filling of murrum up to plinth bottom level								
	Basement Floor (Average filling 0.9m)		2	47.00	9.600	0.900	812.16		
			1	11.50	10.230	0.900	105.88		
			1	11.15	10.230	0.900	102.66		
							1020.70		
						Say	**1021.00**	**435.24**	**4,44,380.04**
10	KSRRB M100-2. Loading and Unloading of **Stone Boulders/Stone Aggregates/sand/Kanker/moorum by Manual Means** complete as per specifications. MORTH - 100/ Chapter 1 **& cost of Haulage excluding loading & unloading - 15 km**								
	(P.No.136, I.No.17.1 &17.4 of PW,P & IWTD S.R 2018-19)	Cum							
	Basic price	57.00							
	Haulage 2/- per ton/km								
	15 km @ 1.28 ton/cum Table at P No 140 16-17 SR	38.40							
		95.40							
	Area wightage @8 %	7.63							
	Total amount	103.03							
	loading of debris (Vide item no 3-Excavated Earth)		1	2888.00			2888.00	**103.03**	**297556.42**
	TOTAL AMOUNT FOR EARTH WORK								**26,30,934.45**
	PCC & RCC WORK								
11	Providing and laying in position **plain cement concrete of mix 1:3:6 with OPC cement** @ 220kgs, with 40mm & down size graded grinite metel coarse aggregates @ 0.892 cum & fine aggregates @ 0.465 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms, thick well compacted, in **foundation & plinth**, cost of all materials, labour, HOM of machinery, curing complete as per specification.								
	(P.No.13, I.No.4.2 of PW,P & IWTD S.R 2018-19)	**M3**							
	For Footigs								
	F1		2	2.55	2.55	0.125	0.65		
	F2		23	3.65	4.05	0.125	17.00		
	F3		4	3.85	4.05	0.125	3.12		
	F4		16	4.05	3.85	0.125	12.47		
	F5		4	4.35	4.15	0.125	3.61		
	F5A		1	3.95	4.35	0.125	0.86		
	F6		2	4.45	4.45	0.125	1.98		
	F7		2	5.25	4.45	0.125	2.34		
	F8		1	4.45	3.95	0.125	0.88		
	F9		1	4.65	3.55	0.125	0.83		
	CF1		2	6.45	3.85	0.125	2.48		
	CF2		4	4.25	3.25	0.125	2.76		
	CF3		1	18.71	1.75	0.125	1.64		
	CF4		1	18.91	1.75	0.125	1.65		
	CF5 lift		1	7.15	5.76	0.125	2.06		
	CF6		1	8.35	4.05	0.125	1.69		
	Compound gate piller	66	4	1.95	1.950	0.125	1.90		
		4							
	PCC Below Plinth								
	External Long walls		2.00	47.00	0.600	0.125	7.05		
	External Short walls		2.00	29.00	0.600	0.125	4.35		
	Internal Walls		2.00	47.00	0.450	0.125	5.29		
			6.00	29.00	0.450	0.125	9.79		
			11.00	7.30	0.450	0.125	4.52		
	Staircase footing		2	3.00	1.500	0.125	1.13		
	For Flooring								
	Ground Floor Flooring								

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	Main Block area		1	47.00	29.000	0.125	170.38		
	Deduct court yard		-1	24.80	11.000	0.125	34.10		
	Portico Area		1	7.50	5.000	0.125	4.69		
	For Hagging concrete		1	155.00	0.600	0.125	19.38		
							250.38		
						Say	**250.40**	**5,873.11**	**14,70,627.61**
12	Providing and laying in position **plain cement concrete of mix 1:2:4 with OPC cement** @ 240kgs, with 20mm & down size graded grinite metel coarse aggregates @ 0.69 cum & fine aggregates @ 0.459 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms, thick well compacted, in **foundation & plinth & Cills** including cost of all materials, labour, HOM of machinery, curing complete as per specification.								
	(P.No.13 I.No.4.6 of PW,P & IWTD S.R 2018-19)	**Cum**							
	Window Cills - For all floor		4	150.00	0.230	0.100	13.80		
	Terrace Parapet wall coping		1	155.00	0.230	0.100	3.57		
							17.37		
						Say	**17.40**	**6,143.32**	**1,06,893.71**
13	Providing & laying IN POSITION REINFORCED CEMENT CONCRETE of design mix **M25** with OPC cement @ 340 Kgs with down size graded grinite metel coarse aggregates @ 0.70 Cum & fine aggregates @ 0.47 Cum with super plastisiser @ 3.0 Ltrs confirming to IS 9103-1999, re affirmed - 2008, **Maichine mixed,** concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation ,Plinth,& Ground floor Level for Roof Slab, Staircase, Lintels, Retaining Wall, Pires, Abutments, Pillers, Posts, Struts, Butteress, String or Lasing Corsess, Prapeets Copings, Bed Blocks, anchor blocks, plain windows cills, fillets, etc including cost of all materials, laobur HOM of machinary, curing complete as per specification.								
	(P.No.14, I.No.4.10 of PW,P & IWTD S.R 2018-19)	**M3**							
	For Lintels, Tie beam, cill, staircase etc...								
	Ground Floor								
	For Lintel. @ 2.1Mt Level for Toilet walls								
	Left wing Toilet Block								
	Toilet Doors Partition walls - 115Thk		1	17.60	0.115	0.150	0.30		
	Toilet Doors Partition walls - 230Thk		1	5.00	0.230	0.150	0.17		
	For Lintel. @ 2.4Mt Level								
	ExternalPeripheral wall - 230 Thk								
	Through Lintel		1	180.00	0.230	0.150	6.21		
	Internal Peripheral wall - 230 Thk								
	Through Lintel		1	110.00	0.230	0.150	3.80		
	Court yard Tie beam		1	80.00	0.230	0.230	4.23		
	Stair case 2 nos								
	Landing		2	4.76	0.600	0.165	0.94		
	Mid landing		2	4.76	2.230	0.165	3.50		
	Steps	0.5	2	24.00	0.300	0.150	1.08		
	Waist Slab, Flight - I		2	4.50	1.800	0.165	2.67		
	Waist Slab, Flight - II		2	4.80	1.800	0.165	2.85		
	Mid landing Beam		2	4.70	0.230	0.450	0.97		
							26.74		
						Say	**26.70**	**6,684.33**	**1,78,471.66**
	First Floor								
	For Lintel. @ 2.1Mt Level for Toilet walls								
	Toilet Doors Partition walls - 115Thk		1	17.60	0.115	0.150	0.30		
	Toilet Doors Partition walls - 230Thk		1	5.00	0.230	0.150	0.17		
	For Lintel. @ 2.4Mt Level								
	ExternalPeripheral wall - 230 Thk								
	Through Lintel		1	180.00	0.230	0.150	6.21		
	Internal Peripheral wall - 230 Thk								
	Through Lintel		1	110.00	0.230	0.150	3.80		

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	Court yard Tie beam		1	80.00	0.230	0.230	4.23		
	Stair Case								
	Stair case 2 nos								
	Landing		2	4.76	0.600	0.165	0.94		
	Mid landing		2	4.76	2.230	0.165	3.50		
	Steps	0.5	2	24.00	0.300	0.150	1.08		
	Waist Slab, Flight - I		2	4.50	1.800	0.165	2.67		
	Waist Slab, Flight - II		2	4.80	1.800	0.165	2.85		
	Mid landing Beam		2	4.70	0.230	0.450	0.97		
							26.74		
						Say	**26.70**	**6,749.13**	**1,80,201.82**
	Second Floor								
	Same as First Floor Qty					Say	26.70		
							26.70	**6,813.93**	**1,81,931.98**
	Third Floor								
	Same as First Floor Qty					Say	26.70		
							26.70	**6,878.73**	**1,83,662.14**
	Head room								
							3.00	**7,008.33**	**21,025.00**
14	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of **ready mixed concrete for RCC works** laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges)								
	Ready mixed Cement concrete for Beams, Staircase and Roof with M-30								
	(P.No.19, I.No.4.49.3 of PW,P & IWTD S.R 2018-19)	**M3**							
	For Footigs								
	F1		2	2.10	2.10	0.400	3.53		
	F2		23	3.20	3.60	0.600	158.98		
	F3		4	3.40	3.60	0.650	31.82		
	F4		16	3.60	3.40	0.600	117.50		
	F5		4	3.90	3.70	0.650	37.52		
	F5A		1	3.50	3.90	0.700	9.56		
	F6		2	4.00	4.00	0.650	20.80		
	F7		2	4.80	4.00	0.850	32.64		
	F8		1	4.00	3.50	0.750	10.50		
	F9		1	4.20	3.10	0.700	9.11		
	CF1		2	6.00	3.40	0.600	24.48		
			2	6.00	1.00	0.400	4.80		
	CF2		4	3.80	2.80	0.500	21.28		
			1	3.80	0.60	0.300	0.68		
	CF3		1	18.26	1.30	0.400	9.50		
	CF4		1	18.46	1.30	0.400	9.60		
	CF5 lift		1	5.50	5.31	0.700	20.45		
			1	1.27	3.60	0.700	3.19		
	CF6		1	7.90	3.60	0.600	17.06		
			1	7.90	1.00	0.300	2.37		
	Compound gate piller		4	1.50	1.50	0.400	3.60		
	Staircase footing		2	1.80	0.900	0.300	0.97		
	Pedestals								
	Column C1 - [230X750]		1	0.38	0.900	0.750	0.26		
	Column C2 - [230X600]		56	0.38	0.750	0.750	11.97		
	Column C3 - [230X450]		4	0.38	0.600	0.000	0.00		
	Column C4 - [300X300]		20	0.53	0.530	0.750	4.21		
	Column C5- [450X450]		4	0.60	0.600	0.750	1.08		
	Retaining wall for lift		1	10.00	0.230	2.000	4.60		
		85							
	For Column.								

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
	Ground Floor upto Plinth Beams								
	Pheripherial column								
	Column C1 - [230X750]		0	0.23	0.75	1.00	0.00		
	Column C2 - [230X600]		33	0.23	0.60	1.00	4.55		
	Column C3 - [230X450]		0	0.23	0.45	1.00	0.00		
	Column C4- [300X300]		0	0.30	0.30	1.00	0.00		
	Column C5 - [450X450]		2	0.45	0.45	1.00	0.41		
	Column project @ phenpheral walls		35	0.37	0.23	0.95	2.83		
	Internal column								
	Column C1 - [230X750]		1	0.23	0.750	1.95	0.34		
	Column C2 - [230X600]		23	0.23	0.600	1.95	6.19		
	Column C3 - [230X450]		4	0.23	0.450	1.95	0.81		
	Column C4- [300X300]		20	0.30	0.300	1.95	3.51		
	Column C5 - [450X450]		2	0.45	0.450	1.95	0.79		
		120							
	Ground Floor Above Plinth Beams								
	Column C1 - [230X750]		1	0.23	0.750	2.850	0.49		
	Column C2 - [230X600]		56	0.23	0.600	2.850	22.02		
	Column C3 - [230X450]		4	0.23	0.450	2.850	1.18		
	Column C4 - [300X300]		20	0.38	0.380	2.850	8.23		
	Column C5- [450X450]		4	0.45	0.450	2.850	2.31		
		85							
	First Floor								
	Column C1 - [230X750]		1	0.23	0.750	2.850	0.49		
	Column C2 - [230X600]		56	0.23	0.600	2.850	22.02		
	Column C3 - [230X450]		4	0.23	0.450	2.850	1.18		
	Column C4 - [300X300]		20	0.38	0.380	2.850	8.23		
	Column C5- [450X450]		4	0.45	0.450	2.850	2.31		
		85							
	Second Floor								
	Column C1 - [230X750]		1	0.23	0.750	2.850	0.49		
	Column C2 - [230X600]		56	0.23	0.600	2.850	22.02		
	Column C3 - [230X450]		4	0.23	0.450	2.850	1.18		
	Column C4 - [300X300]		20	0.38	0.380	2.850	8.23		
	Column C5- [450X450]	85	4	0.45	0.450	2.850	2.31		
	Third Floor								
	Same as Second Floor						34.24		
	Terrece Floor								
	Column C2 - [230X600]		8	0.23	0.600	2.100	2.32		
	Column C2 - [230X450]		4	0.23	0.450	4.500	1.86		
	Column C4 - [300X300]		18	0.30	0.300	1.000	1.62		
						Total	734.22		
						Say	**734.00**	**6,477.17**	**47,54,246.24**
	For Grade/Plinth Beam.								
	Ground Floor								
	Horizontal Beams								
	Pheripherial Beam (230 x1200) H'le		2	47.00	0.230	1.200	25.94		
	Pheripherial Beam (230 x1200)V'le		2	29.35	0.230	1.200	16.20		
	PB1-(230X450)		2	47.00	0.230	0.450	9.73		
			6	7.00	0.230	0.450	4.35		
			2	25.00	0.230	0.450	5.18		
			1	15.00	0.230	0.450	1.55		
	Vertical Beams								
	PB1-(230X450)		2	29.35	0.230	0.450	6.08		
			26	6.80	0.230	0.450	18.30		
			2	10.40	0.230	0.450	2.15		
	PB2-(150x450)		2	6.80	0.150	0.450	0.92		

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
	Ground Floor Roof Beams								
	Horizontal Beams								
	Beam B1-(300X600)		2	10.50	0.300	0.450	2.84		
	Beam B2-(230X600)		1	275.00	0.230	0.450	28.46		
	Beam B3-(230X450)		1	155.00	0.230	0.300	10.70		
	Vertical Beams								
	Beam B2-(230X600)		1	310.00	0.230	0.450	32.09		
	Beam B3-(230X450)		1	100.00	0.230	0.300	6.90		
	First Floor Roof Beams								
	Horizontal Beams								
	Beam B1-(300X600)		2	10.50	0.300	0.450	2.84		
	Beam B2-(230X600)		1	275.00	0.230	0.450	28.46		
	Beam B3-(230X450)		1	155.00	0.230	0.300	10.70		
	Vertical Beams								
	Beam B2-(230X600)		1	310.00	0.230	0.450	32.09		
	Beam B3-(230X450)		1	100.00	0.230	0.300	6.90		
	Second Floor Roof Beams								
	Same as First Floor Qty					Say	**80.98**		
	Third Floor Roof Beams								
	Same as First Floor Qty					Say	**80.98**		
	Terrece Floor Roof Beam								
	Horrizontal Beams - (230X600)		2	25.00	0.230	0.450	5.18		
	Vertical Beams - (230X600)		2	10.00	0.230	0.450	2.07		
	Head room		2	24.00	0.230	0.450	4.97		
	Lift Room		2	10.00	0.230	0.450	2.07		
					Total qty		428.59		
						Say	**428.60**	6,477.17	27,76,117.08
	ROOF SLAB								
	Ground Floor Roof Slab								
	Total Area		1	1450.00	--	0.150	217.50		
	Slab Projection		10	3.00	0.600	0.150	2.70		
	Deductions								
	Court yard		-1	25.00	10.650	0.150	39.94		
	Stair caseArea		-2	5.60	4.300	0.150	7.22		
	Lift		-1	2.00	1.800	0.150	0.54		
	First Floor Roof Slab								
	Total Area		1	1420.00	--	0.150	213.00		
	Deductions								
	Court yard		-1	25.00	10.650	0.150	39.94		
	Stair caseArea		-2	5.60	4.300	0.150	7.22		
	Lift		-1	2.00	1.80	0.15	0.54		
	Second Floor								
	Same as First Floor Qty					Say	**165.30**		
	Second Floor								
	Same as First Floor Qty					Say	**165.30**		
	Terrece Floor Roof Slab								
	Total Area Head Room		2	45.00	--	0.150	13.50		
	Lift machine room		1	3.00	2.000	0.150	0.90		
					Total qty		682.79		
						Say	**682.80**	6,477.17	44,22,614.90
	TOTAL AMOUNT FOR PCC & RCC WORK								1,42,75,792.12

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
	SHUTTERING WORK								
15	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for **Foundation , footing ,** bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	(P.No.16, I.No.4.28 of PW,P & IWTD S.R 2018-19)	**Sqm**							
	For footings								
	F1		2	8.40	--	0.400	6.72		
	F2		23	13.60	--	0.600	187.68		
	F3		4	14.00	--	0.650	36.40		
	F4		16	14.00	--	0.600	134.40		
	F5		4	15.20	--	0.650	39.52		
	F5A		1	14.80	--	0.700	10.36		
	F6		2	16.00	--	0.650	20.80		
	F7		2	17.60	--	0.850	29.92		
	F8		1	15.00	--	0.750	11.25		
	F9		1	14.60	--	0.700	10.22		
	CF1		2	18.80	--	0.600	22.56		
			2	14.00	--	0.400	11.20		
	CF2		4	13.20	--	0.500	26.40		
			1	8.80	--	0.300	2.64		
	CF3		1	39.12	--	0.400	15.65		
	CF4		1	39.52	--	0.400	15.81		
	CF5 lift		1	21.62	--	0.700	15.14		
			1	9.73	--	0.700	6.81		
	CF6		1	23.00	--	0.600	13.80		
			1	17.80	--	0.300	5.34		
	Compound gate piller		4	6.00	--	0.400	9.60		
	Staircase footing		2	5.40	--	0.300	3.24		
	Pedestals								
	Column C1 - [230X750]		1	2.56	--	0.750	1.92		
	Column C2 - [230X600]		56	2.26	--	0.750	94.92		
	Column C3 - [230X450]		4	1.96	--	0.000	0.00		
	Column C4 - [300X300]		20	2.12	--	0.750	31.80		
	Column C5- [450X450]		4	2.40	--	0.750	7.20		
	Retaining wall for lift		2	10.00	--	2.000	40.00		
		84					811.29		
						Say	**811.30**	**278.64**	**2,26,060.63**
16	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides & soffits of **beams,** beam hauncing cantilever girders, bressumers & **lintels** & not exceeding 1.0 in depth including cost of all materials, labour complete as per specifications. Specification No. KBS								
	(P.No.17, I.No.4.34 of PW,P & IWTD S.R 2018-19)	**Sqm**							
	For Ground floor								
	Plinth Beam								
	Horizontal Beams								
	Pheripherial Beam (230 x1200) H'le	**2**	2	47.00	--	1.200	225.60		
	Pheripherial Beam (230 x1200)V'le	**2**	2	29.35	--	1.200	140.88		
	PB1-(230X450)	**2**	2	47.00	--	0.450	84.60		
		2	6	7.00	--	0.450	37.80		
		2	2	25.00	--	0.450	45.00		
		2	1	15.00	--	0.450	13.50		
	Vertical Beams								
	PB1-(230X450)	**2**	2	29.35	--	0.450	52.83		
		2	26	6.80	--	0.450	159.12		
		2	2	10.40	--	0.450	18.72		
		2	2	6.80	--	0.450	12.24		
	Lintels								

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	Toilet Doors Partition walls - 230Thk	2	1	5.00	--	0.150	1.50		
	Base	1	1	5.00	0.230	--	1.15		
	Toilet Doors Partition walls - 115Thk	2	1	17.60	--	0.150	5.28		
	Base	1	1	17.60	0.115	--	2.02		
	extemal walls								
	Through Lintel	2	1	180.00	--	0.150	54.00		
	Base	1	1	180.00	0.230	--	41.40		
	Internal Peripheral wall - 230 Thk								
	Through Lintel	2	1	110.00	--	0.150	33.00		
	Base	1	1	110.00	0.230	--	25.30		
	Court Yard Tie Beam	2	1	80.00	--	0.230	36.80		
	Base	1	1	80.00	0.230	--	18.40		
	Ground Floor Roof Beam								
	Horizontal Beams								
	Beam B1-(300X600)	2	2	10.50	--	0.450	18.90		
	Base	1	2	10.50	0.300	--	6.30		
	Beam B2-(230X600)	2	1	275.00	--	0.450	247.50		
	Base	1	1	275.00	0.230	--	63.25		
	Beam B3-(230X450)	2	1	155.00	--	0.300	93.00		
	Base	1	1	155.00	0.230	--	35.65		
	Vertical Beams								
	Beam B2-(230X600)	2	1	310.00	--	0.450	279.00		
	Base	1	1	310.00	0.230	--	71.30		
	Beam B3-(230X450)	2	1	100.00	--	0.300	60.00		
	Base	1	1	100.00	0.230	--	23.00		
							1907.04		
						Say	**1907.10**	**315.36**	**6,01,423.06**
	For First Floor								
	Lintels								
	Toilet Doors Partition walls - 230Thk	2	1	5.00	--	0.150	1.50		
	Base	1	1	5.00	0.230	--	1.15		
	Toilet Doors Partition walls - 115Thk	2	1	17.60	--	0.150	5.28		
	Base	1	1	17.60	0.115	--	2.02		
	ExternalPeripheral wall - 230 Thk								
	Through Lintel	2	1	180.00	--	0.150	54.00		
	Base	1	1	180.00	0.230	--	41.40		
	Internal Peripheral wall - 230 Thk								
	Through Lintel	2	1	110.00	--	0.150	33.00		
	Base	1	1	110.00	0.230	--	25.30		
	Court yard Tie beam	2	1	80.00	--	0.230	36.80		
	Base	1	1	80.00	0.230	--	18.40		
	First Floor Roof Beam				--				
	Horizontal Beams				--				
	Beam B1-(300X600)	2	2	10.50	--	0.450	18.90		
	Base	1	2	10.50	0.300	--	6.30		
	Beam B2-(230X600)	2	1	275.00	--	0.450	247.50		
	Base	1	1	275.00	0.230	--	63.25		
	Beam B3-(230X450)	2	1	155.00	--	0.300	93.00		
	Base	1	1	155.00	0.230	--	35.65		
	Vertical Beams						0.00		
	Beam B2-(230X600)	2	1	310.00	--	0.450	279.00		
	Base	1	1	310.00	0.230	--	71.30		
	Beam B3-(230X450)	2	1	100.00	--	0.300	60.00		
	Base	1	1	100.00	0.230	--	23.00		
							1116.75		
						Say	1116.80	320.76	3,58,224.77
	For Second Floor								
	Same as First Floor Qty					Say	1116.80	326.16	3,64,255.49

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
	For Third Floor								
	Same as First Floor Qty					Say	1116.80	331.56	3,70,286.21
	Terrece Floor Roof Beam								
	head room								
	Base	2	2	24.00	--	0.450	43.20		
	Hornizontal Beams - (230X600)	1	2	24.00	0.230	--	11.04		
	Base	2	2	25.00	--	0.450	45.00		
	Vertical Beams - (230X600)	1	2	25.00	0.230	--	11.50		
	Base	2	2	10.00	--	0.450	18.00		
	Lift Room	1	2	10.00	0.230	--	4.60		
		2	2	10.00	0.230	0.450	2.070		
							135.41		
						Say	135.50	342.36	46,389.78
17	Providing and removing centering, shuttering, strutting, propping etc., for **columns**, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2								
	(P.No.16, I.No.4.32 of PW,P & IWTD S.R 2018 19)	Sqm							
	For Column.								
	Ground Floor upto Plinth Beams								
	Pheripherial column								
	Column C1 - [230X750]		0	1.96	--	1.000	0.00		
	Column C2 - [230X600]		33	1.66	--	1.000	54.78		
	Column C3 - [230X450]		0	1.36	--	1.000	0.00		
	Column C4- [300X300]		0	1.20	--	1.000	0.00		
	Column C5 - [450X450]		2	1.80	--	1.000	3.60		
	Column area at plinth beam		35	1.00		0.950	33.25		
		35							
	Internal columns								
	Column C1 - [230X750]		1	1.96	--	1.950	3.82		
	Column C2 - [230X600]		23	1.66	--	1.950	74.45		
	Column C3 - [230X450]		4	1.36	--	1.950	10.61		
	Column C4- [300X300]		20	1.20	--	1.950	46.80		
	Column C5 - [450X450]		2	1.80	--	1.950	7.02		
		50							
	Ground Floor Above Plinth Beams								
	Column C1 - [230X750]		1	1.96	--	2.850	5.59		
	Column C2 - [230X600]		56	1.66	--	2.850	264.94		
	Column C3 - [230X450]		4	1.36	--	2.850	15.50		
	Column C4 - [300X300]		20	1.52	--	2.850	86.64		
	Column C5- [450X450]	85	4	1.80	--	2.850	20.52		
							627.52		
						Say	627.50	492.48	3,09,031.20
	First Floor								
	Column C1 - [230X750]		1	1.96	--	2.850	5.59		
	Column C2 - [230X600]		56	1.66	--	2.850	264.94		
	Column C3 - [230X450]		4	1.36	--	2.850	15.50		
	Column C4 - [300X300]		20	1.52	--	2.850	86.64		
	Column C5- [450X450]		4	1.80	--	2.850	20.52		
		85					393.19		
						Say	393.20	498.96	1,96,191.07
	Second Floor								
	Column C1 - [230X750]		1	1.96	--	2.850	5.59		
	Column C2 - [230X600]		56	1.66	--	2.850	264.94		
	Column C3 - [230X450]		4	1.36	--	2.850	15.50		
	Column C4 - [300X300]		20	1.52	--	2.850	86.64		
	Column C5- [450X450]		4	1.80	--	2.850	20.52		
							393.19		

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
						Say	393.20	505.44	1,98,779.81
	Third Floor								
	Same as 2nd floor						393.20	511.92	2,01,286.94
	TERRACE FLOOR								
	Column C2 - [230X600]		8	1.66	--	2.100	27.89		
	Column C3 - [230X450]		4	1.36		5.000	27.20		
	Column C4 - [300X300]		20	1.52		1.000	30.40		
							85.49		
						Say	**85.50**	**524.88**	**44,877.24**
18	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification upto 3.5 m from Ground level -								
	- do - 0-to 5.0 mts	**Sqm**							
	(P.No.16, I.No.4.29.2 of KPWD S.R 2018-19)								
	Ground Floor Roof Slab								
	Total Area		1	1450.00	--	--	1450.00		
	Slab Projection		10	3.00	0.600	--	18.00		
							1468.00		
	Deductions								
	Court yard		1	25.00	10.650	--	266.25		
	Stair caseArea		2	5.60	4.300	--	48.16		
							314.41		
					Total		**1153.59**		
						Say	**1153.60**	**432.00**	**4,98,355.20**
	First Floor Roof Slab								
	Total Area		1	1420.00	--	--	1420.00		
	Deductions								
	Court yard		1	25.00	10.650	--	266.25		
	Stair caseArea		2	5.60	4.300	--	48.16		
							314.41		
					Total		1105.59		
						Say	**1105.60**	**432.00**	**4,77,619.20**
	Second Floor Roof Slab								
	Same as First Floor Qty					Say	**1105.60**	**432.00**	**4,77,619.20**
	Third Floor Roof Slab								
	Same as First Floor Qty					Say	**1105.60**	**432.00**	**4,77,619.20**
	Terrece Floor Roof Slab								
	Total Area Head Room		2	45.0	--	0.150	90.00		
						Say	**90.00**	**432.00**	**38,880.00**
19	KSRB 4-6.9 :Providing and removing centering, shuttering, strutting, propping etc., **for edges of slabs** and breaks in floor including cost of all materials, labour complete as per specifications.								
	(P.No.17, I.No.4.36 of PW,P & IWTD S.R 2018-19)	**Sqm**							
	Ground Floor Roof Slab								
	Total Length of outer wall		1	180.00	--	0.150	27.00		
	Portico		1	15.00	--	0.150	2.25		
	Cut out areas								
	court yard		1	70.00	--	0.150	10.50		
	Staircase		2	19.80	--	0.150	5.94		
							45.69		
						Say	**45.70**	**815.40**	**37,263.78**
	First Floor Roof Slab								
	Total Length of outer wall		1	180.00	--	0.150	27.00		

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	Portico		1	15.00	--	0.150	2.25		
	Cut out areas								
	court yard		1	70.00	--	0.150	10.50		
	Staircase		2	19.80	--	0.150	5.94		
							45.69		
						Say	**45.70**	**815.40**	**37,263.78**
	Second Floor Roof Slab								
	Same As First Floor Qty					Say	**45.70**	**815.40**	**37,263.78**
	Third Floor Roof Slab								
	Same As First Floor Qty					Say	**45.70**	**815.40**	**37,263.78**
	Terrece Floor Roof Slab								
	Total Length		1	48.00	--	0.150	7.20		
							7.20	**815.40**	**5,870.88**
20	Providing and removing centring, shuttering, strutting, proping etc., and removal of form work for **stairs (excluding landing) except spiral staircase** including cost of all materials,labour complete as per specification and directed by the Engineer in Charge.								
	(P.No.17, I.No.4.38 of PW,P & IWTD S.R 2018-19)	**Sqm**							
	Ground Floor								
	Stair case 2 nos								
	Steps		2	24.00	--	0.150	7.20		
	Waist Slab, Flight - I		2	4.50	--	1.800	16.20		
	Sides		2	4.50	--	0.380	3.42		
	Waist Slab, Flight - II		2	4.80	--	1.800	17.28		
	Sides		2	4.80	--	0.380	3.65		
	Mid landing Beam		2	4.70	--	0.230	2.16		
	Sides		2	4.70	--	0.380	3.57		
							53.48		
						Say	**53.50**	**561.60**	**30,045.60**
	First Floor								
	Stair case 2 nos								
	Steps		2	24.00	--	0.150	7.20		
	Waist Slab, Flight - I		2	4.50	--	1.800	16.20		
	Sides		2	4.50	--	0.380	3.42		
	Waist Slab, Flight - II		2	4.80	--	1.800	17.28		
	Sides		2	4.80	--	0.380	3.65		
	Mid landing Beam		2	4.70	--	0.230	2.16		
	Sides		2	4.70	--	0.380	3.57		
							53.48		
						Say	**53.50**	**561.60**	**30,045.60**
	Second Floor								
	Same as First Floor Qty					Say	**53.50**	**561.60**	**30,045.60**
	Third Floor								
	Same as First Floor Qty					Say	**53.50**	**561.60**	**30,045.60**
21	Providing and laying in position reinforced cement cocnrete of design mix M20 with OPC cement @ 27.20 Kgs with 12mm & down sizes graded grantic metal coarse aggregated @ 0.5865 cum & fine aggregates, @ 0.391 Cum with super super plastisiser @ 0.225 Ltrs maichine mixed well compacted **plain chajja 8.50 Cms** avg thickness, up to ground floor level including removing centering, shuttering, strutting, propping etc., and removal of form work for cost of all materials, laobur HOM of machinary, curing complete as per specification.								
	(P.No.15, I.No.4.20 of PW,P & IWTD S.R 2018-19)	**Sqm**							
	Ground Floor								
	Window (W)		28	2.30	---	0.600	38.64		
	Window (W1)		2	1.50	---	0.600	1.80		

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	(SW)		2	2.30	—	0.600	2.76		
	Ventilator		8	0.90	—	0.600	4.32		
							47.52		
						Say	**48.00**	**535.68**	**25,712.64**
	First Floor								
	Window (W)		28	2.30	—	0.600	38.64		
	Window (W1)		2	1.50	—	0.60	1.80		
	(SW)		2	2.30	—	0.600	2.76		
	Ventilator		8	0.90	—	0.600	4.32		
							47.52		
						Say	**48.00**	**541.08**	**25,971.84**
	Second Floor								
	Same as First Floor Qty						48.00		
						Say	**48.00**	**546.48**	**26,231.04**
	Third Floor								
	Same as First Floor Qty						48.00		
						Say	**48.00**	**551.88**	**26,490.24**
	Terrece Floor								
	Head Room Windows		2	2.30	—	0.600	2.76		
							2.76		
						Say	**3.00**	**562.68**	**1,688.04**
22	Providing and **removing centering,** shuttering, strutting, propping etc., for **chajjas**, corbels of all shapes & sizes, at all elevations & heights.								
	(P.No.17, I.No.4.37 of PW,P & IWTD S.R 2018-19)	**Sqm**							
	Ground Floor								
	Window (W)		28	2.30	—	0.600	38.64		
	Window (W1)		2	1.50	—	0.600	1.80		
	(SW)		2	2.30	—	0.600	2.76		
	Ventilator		8	0.90	—	0.600	4.32		
							47.52		
						Say	**48.00**	**348.84**	**16,744.32**
	First Floor								
	Window (W)		28	2.30	—	0.600	38.64		
	Window (W1)		2	1.50	—	0.600	1.80		
	(SW)		2	2.30	—	0.600	2.76		
	Ventilator		8	0.90	—	0.600	4.32		
							47.52		
						Say	**48.00**	**348.84**	**16,744.32**
	Second Floor								
	Same as First Floor Qty						47.52		
						Say	**48.00**	**348.84**	**16,744.32**
	Third Floor								
	Same as First Floor Qty						47.52		
						Say	**48.00**	**348.84**	**16,744.32**
	Terrece Floor								
	Head Room Windows		2	2.30	—	0.60	2.76		
							2.76		
						Say	**3.00**	**348.84**	**1,046.52**
23	Extra For providing throating or **drip moulding to RCC chajjas** with plastreing(labour charges only), as perspecification								
	(P.No.15, I.No.4.21 of PW,P & IWTD S.R 2018-19)	**M**							
	Ground Floor								
	Window (W)		28	3.50	–	–	98.00		
	Window (W1)		2	2.70	–	–	5.40		
	(SW)		2	3.50	–	–	7.00		

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	Ventilator		8	2.10	--	--	16.80		
							127.20		
						Say	**128.00**	**35.64**	**4,561.92**
	First Floor								
	Window (W)		28	3.50	--	--	98.00		
	Window (W1)		2	2.70	--	--	5.40		
	(SW)		2	3.50	--	--	7.00		
	Ventilator		8	2.10	--	--	16.80		
							127.20		
						Say	**128.00**	**35.64**	**4,561.92**
	Second Floor								
	Same as First Floor Qty						128.00		
						Say	**128.00**	**35.64**	**4,561.92**
	Third Floor								
	Same as First Floor Qty						128.00		
						Say	**128.00**	**35.64**	**4,561.92**
	Terrece Floor								
	Head Room Windows		2	3.50	--	--	7.00		
						Say	**7.00**	**35.64**	**249.48**
24	Providing **lath plastering** cement mortor 1:3, 5 Cm thick with 6 mm dia mild steel @ 20 cm c/c both hiorizantaly & Vertically fixing Chicken Mesh for drop chejja , facia, Backing to cupboard including cost of all materials, labour, providing & removing form work H O M of Machinery , curing, complete as per specifications.								
	(P.No.15, I.No.4.27 of PW,P & IWTD S.R 2018-19)								
	Lathen plaster area	**Sqm**	3	70.00	--	0.600	126.00		
						Say	126.00	**1,157.76**	**1,45,877.76**
	TOTAL AMOUNT FOR SHUTTERING WORK								**55,00,459.12**
	REINFORCEMENT WORK								
25	Providing **TMT Steel reinforcement** for RCC works including straightening, cutting, bending, hooking, placing in position lapping and / or welding wherever required, tieng with binding wire and anchoring to the adjoining members wherever necessary, complete as per design (laps, hooks and wastage shall not be measured and paid) cost of all materials, labour, HOM of machineries etc., complete as per specifications. Specification No.KBS 4.6.3. **FOR TMT Bars Fe- 500**								
	(P.No.17 &18 I.No.4.46.2 & 4.47of KPWD S.R 2018-	**Tonne**							
	Ground Floor								
	For Footings **60 Kg/Cum**			549.94		60.000	32996.31		
	For Pedastal **80 Kg/Cum**			22.12		80.000	1769.60		
	For Columns 200 **Kg/Cum**			53.66		200.000	10731.39		
	For Plinth Beams **130 Kg/Cum**			90.39		130.000	11751.19		
	For Lintel & Stair Case **150 Kg/Cum**			26.70		150.000	4005.00		
	For Roof Beams 200**Kg/Cum**			80.98		200.000	16195.50		
	For Roof Slabs 65**Kg/Cum**			172.50		65.000	11212.40		
							88661.39		
							88.66		
						Say	88.70	**84,247.56**	**74,72,758.57**
	First Floor								
	For Columns **200 Kg/Cum**			34.24		200.000	6847.13		
	For Lintel & Stair Case **150 Kg/Cum**			26.70		150.000	4005.00		
	For Roof Beams 200 **Kg/Cum**			80.98		200.000	16195.50		
	For Roof Slabs 65**Kg/Cum**			165.30		65.000	10744.40		
							37792.03		
							37.79		
						Say	**37.80**	**85,055.40**	**32,15,094.12**
	Second Floor								
	For Columns @ 180 Kg/Cum			34.24		180.000	6162.41		

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	For Lintel & Stair Case 150 Kg/Cum			26.70		150.000	4005.00		
	For Roof Beams 200 Kg/Cum			80.98		200.000	16195.50		
	For Roof Slabs 65Kg/Cum			165.30		65.000	10744.40		
							37107.32		
							37.11		
						Say	37.20	85,863.24	31,94,112.53
	Third Floor -qty same as second floor					Say	37.20	86,671.08	32,24,164.18
	Terrece Floor								
	For Columns @ 180 Kg/Cum			2.32		180.000	417.31		
	Beam at 150			12.21		150.000	1831.95		
	For Roof Slabs 65Kg/Cum			13.50		60.000	810.00		
							3059.26		
							3.06		
						Say	3.00	88,286.76	2,64,860.28
	TOTAL AMOUNT FOR REINFORCEMENT WORK								1,73,70,989.68
	MASONARY WORK								
26	KSRB-5.2-2: Providing and constructing granite / trap / basalt **size stone masonry** in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.								
	(P.No.25, I.No.5.6. of PW,P & IWTD S.R 2018-19)	**Cum**							
	For GF								
	Court yard		1	80.00	0.600	0.450	21.60		
	II course		1	80.00	0.450	0.600	21.60		
	Court yard		1	75.00	0.450	0.450	15.19		
							58.39		
						Say	58.40	4,963.68	2,89,879.00
27	Providing and constructing **burnt brick masonry** with approved quality of modular bricks of standard size of class designation 5.0 newton per sq mm (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2								
	(P.No.30, I.No.6.18 of KPWD S.R 2018-19)	**Cum**							
	Ground Floor								
	Total Length of Horizantal walls		1	215.00	0.230	2.850	140.93		
	Total Length of Vertical Wall		1	200.00	0.230	2.850	131.10		
						Total	272.03		
	Deductions of Openings								
	Windows & Ventilators								
	Staircase Passage		1	4.30	0.230	2.850	2.82		
	Staircase Landing Window		2	2.00	0.230	1.350	1.24		
	Windows 2.0Mtr Wide		28	2.00	0.230	1.350	17.39		
	Windows 1.20Mtr Wide		2	1.20	0.230	1.350	0.75		
	Ventilator for Toilet		6	0.90	0.230	0.600	0.75		
	Ventilators for Class room below beam bottom		16	1.20	0.230	0.600	2.65		
	Doors								
	Main Door		1	4.00	0.230	2.400	2.21		
	Room Door		12	1.20	0.230	2.400	7.95		
	Toilet Lobby Door		4	1.00	0.230	2.400	2.21		
	Toilet door		8	0.75	0.230	2.100	2.90		
	Collapsible Door - stair case		2	4.30	0.230	2.400	4.75		
	Deductions of Openings		1	3.90	0.230	3.000	2.69		
	Deductions of Lintel qty		1	14.71	--	--	14.71		
						Total	63.00		
					Grand Total		209.03		

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	First Floor					Say	**209.10**	**7706.37**	**1611402.50**
	Horizantal Wall		1	185.00	0.230	2.850	121.27		
	Vertical Walls		1	220.00	0.230	2.850	144.21		
	Court yard Curb wall		1	70.00	0.230	1.000	16.10		
						Total	**281.58**		
	Deductions								
	Windows & Ventilators								
	Staircase Passage		2	4.30	0.230	2.850	5.64		
	Staircase Landing Window		2	2.00	0.230	1.350	1.24		
	Windows 2.0Mtr Wide		24	2.00	0.230	1.350	14.90		
	Windows 1.20Mtr Wide		2	1.20	0.23	1.35	0.75		
	Ventilator for Toilet		8	0.90	0.230	0.600	0.99		
	Ventilators for Class room below beam bottom		16	1.20	0.23	0.60	2.65		
	Doors								
	Room Door		13	1.20	0.230	2.400	8.61		
	Toilet Lobby Door		4	1.00	0.230	2.400	2.21		
	Toilet door		8	0.75	0.230	2.100	2.90		
	Collapsible Door - stair case		0	4.00	0.230	2.400	0.00		
	Deductions of Openings		1	2.40	0.230	3.000	1.66		
	Deductions of Lintel qty		1	14.71			14.71		
						Total	**56.26**		
						Grand Total	**225.32**		
						Say	**226.00**	**7760.37**	**1753844.19**
	Second Floor								
	Same as First Floor Qty					Say	**226.00**	**7814.37**	**1766048.19**
	Third Floor								
	Same as First Floor Qty					Say	**226.00**	**7868.37**	**1778252.19**
	Terrce Floor								
	Total Length of Head Room Wall		1	41.32	0.230	1.95	18.53		
	Courtyard		1	80.00	0.230	1.00	18.40		
	Lift M/c Room		1	10.00	0.230	5.00	11.50		
	Parapet		1	150.00	0.230	1.00	34.50		
							82.93		
	Deduction								
	MS Door		2	1.00	0.230	1.95	0.90		
	Windows		2	2.00	0.230	1.50	1.38		
	Ventilator		1	8.00	0.230	0.60	1.10		
							2.28		
						Total	**80.66**		
						Say	**80.70**	**7976.37**	**643693.26**
28	Construction of **partition wall 11.2 cms thick** with non modular table moulded burnt bricks of class designation 5.0Newton per Sqmm with **cement mortar** 1:4 including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2- KSRB 6-7.2 : - do - with bricks of class designation 5.0 Newton per sqm -Specification No. KBS 6.2								
	(P.No.30, I.No.6.24 of KPWD S.R 2018-19)								
	Ground Floor	**Sqmt**							
	Toilet Wall Total Length		1	17.10	--	2.100	35.91		
						Total	**35.91**		
	Deductions								
	Toilet Doors		8	0.75	--	2.100	12.60		
							12.60		
						Grand Total	**23.31**		
						Say	**24.00**	**1004.53**	**24108.65**
	First Floor	**Sqmt**							
	Toilet Wall Total Length		1	17.10	--	2.100	35.91		

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	Deductions					Total	35.91		
	Toilet Doors								
			7	0.75	--	2.100	11.03		
							11.03		
					Grand Total		24.89		
						Say	25.00	1009.93	25248.18
	Second Floor								
	Same as First Floor Qty						25.00		
						Say	25.00	1015.33	25383.18
	Third Floor								
	Same as First Floor Qty						25.00	1020.73	25518.18
	TOTAL AMOUNT FOR MASONARY WORK								7943377.52
	PLASTERING & FINESHES WORK								
29	Providing **18mm thick cement plaster** in single coat with cement **mortor 1:3** to Brick masonary including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.**External**								
	(P.No.116, I.No.15.15 of PW,P & IWTD S.R 2018-19)	**Sqm**							
	Ground Floor								
	All outside peripherail walls		1	193.00	--	4.050	781.65		
	Chejjas		2	28.00		2.300	128.80		
	Court yard parapet wall		1	70.00		2.300	161.00		
			2	8.00		0.900	14.40		
						Total	**1085.85**		
	Deductions of Openings								
	Windows & Ventilators								
	Staircase Landing Window	0.5	2	2.00	--	1.350	2.70		
	Windows 2.0Mtr Wide	0.5	28	2.00	--	1.350	37.80		
	Windows 1.20Mtr Wide	0.5	2	1.20	--	1.350	1.62		
	Ventilator for Toilet	0.5	8	0.90	--	0.600	2.16		
	Ventilators for Class room below beam bottom	0.5	0	1.20	--	0.600	0.00		
	Doors								
	Main Door	0.5	1	4.00	--	2.400	4.80		
						Total	**49.08**		
							1036.77		
					Grand Total		**1037.00**	**307.67**	**319048.83**
	First Floor								
	Out Side walls		1	185.00	--	3.600	666.00		
	Chejjas		2	24.00		2.300	110.40		
	Court yard parapet wall		1	70.00		2.30	161.00		
			2	8.00		0.900	14.40		
						Total	**951.80**		
	Deductions of Openings								
	Windows & Ventilators								
	Staircase Landing Window	0.5	2	2.00	--	1.350	2.70		
	Windows 2.0Mtr Wide	0.5	25	2.00	--	1.350	33.75		
	Windows 1.20Mtr Wide	0.5	2	1.20	--	1.350	1.62		
	Ventilator for Toilet	0.5	8	0.90	--	0.600	2.16		
	Ventilators for Class room below beam bottom	0.5	0	1.20	--	0.600	0.00		
						Total	**40.23**		
							911.57		
					Grand Total		**912.00**	**320.63**	**292410.20**
	Second Floor								
	Same as First Floor Qty					Say	**912.00**	**333.59**	**304229.72**
	Third Floor								
	Same as First Floor Qty					Say	**912.00**	**346.55**	**316049.24**

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	Tarrace Floor								
	Total Outer Length Head Room Wall		2	22.40	–	3.00	134.40		
	Lift Room		1	10.00		5.00	50.00		
	Total Length of Parapet Wall		2	160.00	–	1.00	320.00		
	Court yard paper		1	70.00		2.00	140.00		
							644.40		
	Deduction								
	MS Door	0.5	2	1.00	–	2.100	2.10		
	Windows	0.5	2	2.00	–	1.500	3.00		
	Sky light window opening	0.5	8	1.20		0.600	2.88		
							7.98		
							636.42		
					Grand Total		637.00	372.47	237260.34
30	Providing **15mm thick cement plaster** in single coat with cement mortor **1:4, to brick masonry** including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications (**internal)**								
	Providing floating coat of cement plastering finishing smooth including cost of materials, labour, curing complete as per specifications								
	(P.No.115 & 117 I.No.15.12 &15.32 of KPWD S.R 2018-19)	**Sqm**							
	Ground Floor								
	Principal room		1	23.60	–	3.150	74.34		
	Anti/ Strong room		1	14.34	–	3.150	45.17		
	Ante Room Toilet		1	8.00	–	1.500	12.00		
	Staircase Room		2	20.60	–	3.150	129.78		
	Class room (7.7x6.4)		1	28.20	–	3.150	88.83		
	Class room (7.5x6.4)		6	27.80	–	3.150	525.42		
	Class Room -08		1	29.06	–	3.150	91.54		
	Staff Room		1	21.14	–	3.150	66.59		
	Staff Room Toilet		1	7.40	–	1.500	11.10		
	Reception		1	15.40	–	3.150	48.51		
	Waiting Room		1	11.40	–	3.150	35.91		
	office Room		1	19.08	–	3.150	60.10		
	Science Laboratary		1	28.02	–	3.150	88.26		
	G Toilet		1	24.60	–	1.500	36.90		
	G toilet Lobby		1	10.60	–	1.500	15.90		
	B Toilet		1	15.14	–	1.500	22.71		
	B Toilet Lobby		1	15.14	–	1.500	22.71		
	Court yard walls		1	115.00	–	1.950	224.25		
	Column projections		12	1.43	–	3.150	54.05		
	Court yard columns		20	1.52	–	3.150	95.76		
						Total	**1749.84**		
	Deductions of Openings								
	Windows & Ventilators								
	Staircase Landing Window		2	2.60	–	1.350	5.40		
	Windows 2.0Mtr Wide		28	2.00	–	1.350	75.60		
	Windows 1.20Mtr Wide		2	1.20	–	1.350	3.24		
	Ventilator		6	0.90	–	0.600	3.24		
	Ventilator for class Rooms	0.5	16	1.20	–	0.600	5.76		
	Doors								
	Main Door	0.5	1	4.00	–	0.900	1.80		
	Room Door	0.5	12	1.50	–	0.900	8.10		
	Toilet LobbyDoors	0.5	4	1.00	–	0.900	1.80		
	Toilet Doors	0.5	8	1.00	–	0.900	3.60		
	Opening	0.5	1	3.15	–	2.100	3.31		
	Collapsible Gate at Stair	0.5	2	4.00	–	2.400	9.60		
						Total	**121.45**		

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
					Grand Total		1628.39		
	First Floor					Say	1629.00	282.83	460722.28
	Staircase Room								
	Class room (7.7x6.4)		2	21.80	--	3.300	143.88		
	Class room (7.5x6.4)		1	27.80	--	3.150	87.57		
	Class room (8.13X6.4)		6	27.80	--	3.150	525.42		
	Staff Room		2	29.06	--	3.150	183.08		
	Staff Room Toilet		1	34.80	--	3.150	109.62		
	Activity Room		1	7.40	--	1.500	11.10		
	Conference		1	23.70	--	3.150	74.66		
	Laboratory Room		1	32.34	--	3.150	101.87		
	B Toilet		1	28.20	--	3.150	88.83		
	B Toilet Lobby		1	24.60	--	1.500	36.90		
	G Toilet		1	10.60	--	1.500	15.90		
	G Toilet Lobby		1	15.14	--	1.500	22.71		
	Court yard walls		1	6.70	--	1.500	10.05		
	Column projections		1	100.00	--	1.950	195.00		
	Court yard columns		10	0.97	--	3.150	30.56		
			20	1.52	--	3.150	95.76		
	Deductions of Openings					Total	**1732.90**		
	Windows & Ventilators								
	Staircase Landing Window		2	2.00	--	1.350	5.40		
	Windows 2.0Mtr Wide		24	2.00	--	1.350	64.80		
	Windows 1.20Mtr Wide		2	1.20	--	1.350	3.24		
	Ventilator for Toilet		6	0.90	--	0.600	3.24		
	Ventilator for class Rooms	0.5	16	1.20	--	0.600	5.76		
	Anti/ Strong room								
	Ante Room Toilet	0.5	1	8.00	--	1.500	6.00		
	Room Door	0.5	12	1.20	--	2.400	17.28		
	Toilet LobbyDoors	0.5	4	1.00	--	2.400	4.80		
	Toilet Doors	0.5	8	0.75	--	1.200	3.60		
	Opening	0.5	1	3.15	--	2.100	3.31		
	Collapsible Gate	0.5	1	4.00	--	2.400	4.80		
						Total	**122.23**		
					Grand Total		**1610.67**		
						Say	**1611.00**	**289.31**	**466070.70**
	Second Floor								
	Same as First Floor Qty					**Say**	**1611.00**	**295.79**	**476509.98**
	Third Floor								
	Same as First Floor Qty					**Say**	**1611.00**	**302.27**	**486949.26**
	Terrace Floor								
	Total Inner Length of Head Room Wall		2	22.32	--	2.850	127.22		
	Lift Room		1	10.00		5.000	50.00		
							177.22		
	Deduction								
	MS Door	0.5	2	1.0	--	2.1	2.10		
	Windows	0.5	2	2.0	--	1.5	3.00		
							5.10		
					Grand Total		**172.12**		
						Say	**173.00**	**315.23**	**54533.96**
31	Providing **12mm thick cement plaster in single coat** with cement mortor 1:3, to **ceiling** including rounding off comers wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								
	Providing floating coat of cement to plastering finishing smooth including cost of materials, labour, curing complete as per specifications								

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